Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_

**Chemical Reactions Practice Quiz**

***Identify the following reactions as synthesis, decomposition, single replacement, double replacement, or combustion.***

1. \_\_\_\_\_\_NaBr + H3PO4 🡪 Na3PO4 + HBr
2. \_\_\_\_\_\_Ca(OH)2 + Al2(SO4)3 🡪 CaSO4 + Al(OH)3
3. \_\_\_\_\_\_Fe2O3 + Mg 🡪 MgO + Fe
4. \_\_\_\_\_\_C2H4 + O2 🡪 CO2 + H2O
5. \_\_\_\_\_\_PbSO4 🡪 PbSO3 + O2
6. \_\_\_\_\_\_NH3 + I2 🡪 N2I6 + H2
7. \_\_\_\_\_\_H2O+ SO3 🡪 H2SO4
8. \_\_\_\_\_\_H2SO4 + NH4OH 🡪 H2O + (NH4)2SO4
9. \_\_\_\_\_\_H2 + Br2 🡪 2HBr

**Predict the products of the following SYNTHESIS reactions. Choose TWO of the equations to balance.**

1. \_\_\_\_Ca + \_\_\_\_O2 🡪 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. \_\_\_\_Al + \_\_\_\_F2 🡪 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. \_\_\_\_Mg + \_\_\_\_OH 🡪 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. \_\_\_\_H2 + \_\_\_\_PO4 🡪 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Predict the products of the following DECOMPOSITION reactions. Choose ONE of the equations to balance.**

1. \_\_\_\_MgO 🡪 \_\_\_\_\_\_\_\_\_\_\_\_ + \_\_\_\_\_\_\_\_\_\_\_\_
2. \_\_\_\_Na3P 🡪 \_\_\_\_\_\_\_\_\_\_\_\_ + \_\_\_\_\_\_\_\_\_\_\_\_
3. \_\_\_\_Sr(CN)2 🡪 \_\_\_\_\_\_\_\_\_\_\_\_ + \_\_\_\_\_\_\_\_\_\_\_\_